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a memory means for storing a current address of said mobile node which should be stored by a correspondent node of the packet communication in place of the correspondent node and

2. A mobile node adapted router as set forth in claim 1, further comprising a registering means for newly registering correspondence between the home address and the current address in the memory means triggered by the reception of update notifying information transmitted for notifying the correspondent node in communication of updating of an address along with a change of the current address due to movement of the mobile node.

4. A home agent router, forming a network supporting packet communication for at least a mobile node, comprising:

a receiving means for receiving update notifying information transmitted for notifying the home agent router of updating of the address along with a change of the current address due to movement of the mobile node and

an address update notifying means for transmitting the current address after updating to another router forming the network when receiving the update notifying information.

5. A mobile node adapted router as set forth in claim 2, wherein when the correspondent node is a node supporting the Mobile-IPv6 protocol, the current address is a care-of address and the update notifying information is a binding update signal.

6. A mobile node adapted router as set forth in claim 5, wherein said transfer means holds authentication information set with the mobile node and returns a binding acknowledgment signal for reception of the binding update signal to the mobile node originating the binding update signal.

7. A mobile node adapted router as set forth in claim 5, wherein said transfer means forms an IPv6 routing header describing said home address in said packet when transferring the packet from said correspondent node to said mobile node.

8. A mobile node adapted router as set forth in claim 5, wherein said transfer means IP-in-IP encapsulates and transfers said packet by an IPv6 header including said current address when transferring the packet from said correspondent node to said mobile node.

9. A home agent router as set forth in claim 4, wherein said other router is a mobile node adapted router able to communicate with a mobile node supporting the Mobile-IPv6 protocol and wherein said address update notifying means notifies said mobile node adapted router of a care-of address indicating said current address as a destination option as one of the IPv6 extension headers.

10. A home agent router as set forth in claim 9, wherein a packet notified to said mobile node adapted router includes an authentication header and wherein the authentication data inside said authentication header is comprised of results of calculation using the authentication information set between the home agent router and the mobile node adapted router and the content of the packet.